ABSTRACTS

EDITED BY ALBERT C. LEWIS

The purpose of this department is to give sufficient information about the subject matter of each publication to enable users to decide whether to read it. It is our intention to cover all books, articles, and other materials in the field.

Books for abstracting and eventual review should be sent to this department, with an extra copy sent directly to the editor of the Book Reviews Department if the publisher wishes to accelerate the process. Materials should be sent to Dr. Albert C. Lewis, Department of Mathematics, University of Texas, Austin, TX 78712.

Readers are invited to send reprints, autoabstracts, corrections, additions, and notices of publications that have been overlooked. Be sure to include complete bibliographic information, as well as transliteration and translation for non-European languages. We need volunteers willing to cover one or more journals for this department.

The indexing terms (in capitals) refer only to aspects of the publication of interest to historians of mathematics, including some topics in general history of science and historiography, but not other topics unless there is a fairly close link with mathematics or its history.

MR 46 #3255 *means that the item is numbered 3255 in volume 46 of* Mathematical Reviews. RZ 1973 #3A14 *means that the item is numbered 3A14 in the third number of the 1973 volume of the* Referativny Zhurnal. Z 50 4 *means volume 50, page 4, of the* Zentralblatt. Isis 102, 45 *means item 45 in the 102nd* Isis Critical Bibliography.

In order to facilitate reference and indexing, entries are given serial numbers which appear at the end following the symbol #. The serial numbers of books are underlined.

A name in parentheses at the end of an entry indicates the abstractor. In this issue there are abstracts by C. Hay, C. G. Lewin, Albert C. Lewis, and Esther R. Phillips.

0315-0860/82/030361-07$02.00/0

AHMAD, AFZAL 1980 The Vedic principle for approximating square root of two. Gaṇita-Bhāratī. Bulletin of the Indian Society for History of Mathematics 2, 16-19. (ACL) #1925

ALBREE, JOE & MORAN, ROGER 1981 Admirable Frederick: The careers of FREDERICK A. P. BARNARD. Alabama Journal of Mathematics 5, 1-9. Barnard was mathematics professor at the University of Alabama (1838-1854) and later became President of Columbia University. (ACL) #1926

AMMA, T A SARASVATI 1979 Geometry in ancient and medieval INDIA. Delhi et al.: Motilal Banarsidass. xi + 280 pp. Rs. 60. "A geometrical survey of the Sanskrit and Prakrit scientific and quasi-scientific literature of India beginning with the Vedic literature and ending with the early part of the 17th century." The work seeks to counter the theory that Indian mathematics was predominantly algebraic and computational. (ACL) #1927

ARRIGHI, GINO 1979 Über eine Übersetzung der Euklidischen Elemente in italienischer Sprache. Die Handschrift Vigano der Universität Brescia. Sudhoffs Archiv für Geschichte der Medizin und der Naturwissenschaften 63, 356-366. English summary. EUCLID's ELEMENTS. (ACL) #1928

BASHMAKOVA, ISABELLA G 1981 Arithmetic of ALGEBRAIC CURVES from Diophantus to Poincaré. HM 8, 393-416. (ACL) #1929

BECKERT, HERBERT 1980 LEON LICHTENSTEIN 1878-1933. Lichtenstein-Festkolloquium (Karl-Marx-Univ., Leipzig, 1978). Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig Mathematisch-Naturwissenschaftliche, Reihe 29, 3-13. (ACL) #1930

BLOOR, DAVID 1981 HAMILTON and PEACOCK on the essence of algebra. Pp. 202-232 in Social history of nineteenth century mathematics (q.v.). "The rival theories of the essence of algebra that we have examined each seemed to carry a social message and this may be sufficient to explain their location and their differential credibility." (ACL) #1931

BOS, H J M 1980 Mathematics and rational mechanics. Pp. 327-356 in The ferment of knowledge, studies in the historiography of eighteenth-century science. Edited by G. S. Rousseau and R. Porter. New York/London: Cambridge Univ. Press. Included is a comparison of Boyer's assessment of Leibniz and Abraham Robinson's (in Non-standard analysis). (C. Hay) #1932

BOTTAZZINI, UMBERTO 1981 Mathematics in a unified ITALY. Pp. 165-178 in Social history of nineteenth century mathematics (q.v.). "The development of mathematics was certainly favored by the 'schools' which gathered around famous names such as Betti and Cremona; but it was also due to strictly economical influences, because ... the fosterins of mathematics, as against other sciences, 'offered ... the advantage of not requiring very expensive equipment' (Candeloro)." (ACL) #1933

BUGULOV, E N 1980 Metaphorical terminological structures in English mathematical and physical TERMINOLOGY. [In Russian] Strukturnaja i Matematičeskaja Lingvistika, No. 8, 8-14. (ACL) #1934

CHAN, LIK HOONG 1979 GODFREY HAROLD HARDY (1877-1947)--The man and the mathematician. Menemui Matematica 1, 1-13. (ACL) #1935

CRILLY, A J 1982 The British Society for the History of Mathematics. HM 9, 59-60. Report of papers presented at meeting, September 1981. (ACL) #1936

DEMIDOV, S S, PETROVA, S S, & YUSHKEVICH, A P 1981 ISABELLA GRIGORYEVNA BASHMAKOVA: On the occasion of her 60th birthday. HM 8, 389-392. (ACL) #1937

DUDA, R 1979 The origins of the concept of DIMENSION. Colloquium Mathematicum 42, 95-110. (ACL) #1938

ENGELSMAN, S B 1981 Tagung "Geschichte der Mathematik" im Mathematischen Forschungsinstitut Oberwolfach. HM 8, 460-472. (ACL) #1939

ENROS, PHILIP C 1981 CAMBRIDGE UNIVERSITY and the adoption of ANALYTICS in early nineteenth-century England. Pp. 135-148 in Social history of ninteenth century mathematics (q.v.). Shows "the chief ways in which Cambridge, as an institution, acted in the process of revival [of mathematics in England]." (ACL) #1940

FORBES, ERIC G 1980 Mathematical cosmography. Pp. 417-448 in The ferment of knowledge, studies in the historiography of eighteenth-century science. Edited by G. S. Rousseau and R. Porter. New York/London: Cambridge Univ. Press. Based largely on records of the Cosmographical Society of Nuremberg, the main figure in this history is JOHANN MICHAEL FRANZ. (C. Hay) #1941

FRANCI, RAFFAELLA & RIGATELLI, LAURA TOTI 1982 Unpublished writings of GIUSEPPE S. VERZAGLIA. HM 9, 76-77. (ACL) #1942

FRANKSEN, O I 1981 H. C. Ørsted: A man of two cultures. Denmark: Bang & Olufsen. (First published by Strandbergs Forlag, Bikerød, Denmark, 1981.) 49 pp. The life and the ideas of the Danish scientist, H. C. ØRSTED, are described. Included are the original Latin and an English translation of Ørsted's pamphlet (1820) on ELECTROMAGNETISM. (ERP) #1943

FRANKSEN, O I 1981 Mr. Babbage, the difference engine, and the problem of notation: An account of the origin of recursiveness and conditionals in computer programming. International Journal of Engineering Science 19 (12), 1657-1694. The author imagines BABBAGE at a computer terminal and, using APL, establishes a simulation model of Babbage's DIFFERENCE ENGINE. (ERP) #1944

GEYMONAT, LUDOVICO 1982 Les débuts de la physique mathématique: Considerations méthodologiques et philosophiques. Cahiers du Séminaire d'Histoire des Mathématiques 3, 27-42. Beginnings of MATHEMATICAL PHYSICS in the 16th and 17th centuries. (ACL) #1945

GILLINGS, RICHARD J 1981 The Egyptian mathematical leather role--Line 8. How did the scribes do it? HM 8, 456-459. (ACL) #1946

GIUSTI, E 1981 Aspetti matematici della cinematica galileiana. Bollettino di Storia delle Scienze Matematiche 1 (2), 3-42. The evolution of GALILEO's kinematical ideas, from his earliest work (De Motu) to his last (Dialoghi). (ERP) #1947

GRATTAN-GUINNESS, I & ENGELSMAN, S 1982 The manuscripts of PAUL CHARPIT. HM 9, 65-75. (ACL) #1948

GRIBAUDO, LUCIANA 1979 Was ORESME a precursor of DECARTES? Atti della Accademia delle Scienze di Torino, Classe di Scienze Fisiche, Matematiche e Naturali 113, 155-164. (Italian with English summary.) (ACL) #1949

GRINSTEIN, LOUISE S & CAMPBELL, PAUL J 1982 ANNA JOHNSON PELL WHEELER: Her life and work. HM 9, 37-53. (ACL) #1950

GROSS, HORST-ECKART 1981 The employment of mathematicians in INSURANCE companies in the 19th century. Pp. 179-196 in Social history of nineteenth century mathematics (q.v.). (ACL) #1951

GUPTA, RADHA CHARAN 1980 Square root of 164 in the BERLIN PAPYRUS 11529. Ganita-Bhārani. Bulletin of the Indian Society for History of Mathematics 2, 29-31. (ACL) #1952

GUSEINOV, A I 1978 Mathematics in AZERBAIJAN. Baku: Elm. 40 pp. USSR. (ACL) #1953

HAWKINS, THOMAS 1981 The BERLIN SCHOOL of mathematics. Pp. 233-245 in Social history of nineteenth century mathematics (q.v.). Sketches "the manner in which the philosophy of the Berlin school motivated and informed the mathematics of FROBENIUS and KILLING." (ACL) #1954

HAWLITSCHEK, KURT 1980 Der Archimedes der Stadt Ulm. Zum 400. Geburtstag des Mathematikers und Festungsbaumeisters JOHANNES FAULHABER. Praxis der Mathematik 22, 117-120. (ACL) #1955

HERMANN, KARL 1979 Engel's "Anti-Dühring" und die Mathematik seiner Zeit. Pp. 277-282 in Jenaer "Anti-Dühring"-Konferenz (Friedrich-Schiller-Univ., Jena, 1978). F. ENGELS. (ACL) #1956

HODGE, PHILIP G, JR. 1980 WILLIAM PRAGER (1903-1980). Transactions of the ASME, Series E, Journal of Applied Mechanics 47, 225-226. (ACL) #1957

HODGKIN, LUKE 1981 Mathematics and revolution from LACROIX to CAUCHY. Pp. 50-71 in Social history of nineteenth century mathematics (q.v.). The role of Lacroix's textbooks on the calculus, which retained their readability after Cauchy introduced a new approach. Use is made of M. Foucault's concept of "discursive formation." (ACL) #1958

HOGAN, EDWARD R 1981 THEODORE STRONG and ante-bellum American mathematics. HM 8, 439-455. (ACL) #1959

HOGENDIJK, JAN P 1981 How trisections of the angle were transmitted from GREEK to ISLAMIC GEOMETRY. HM 8, 417-438. (ACL) #1960

HØYRUP, JENS 1982 Investigations of an early SUMERIAN division problem, c. 2500 B.C. HM 9, 19-36. (ACL) #1961

JAHNKE, HANS NIELS & OTTE, MICHAEL 1981 Origins of the program of "arithmetization of mathematics." Pp. 21-49 in Social history of nineteenth century mathematics (q.v.). Against the background of the process of ARITHMETIZATION, the emergence of the concept of RELATION is treated, in particular in the concept of number for GAUSS and HAMILTON. (ACL) #1962

KOLMOGOROV, A N & YUSHKEVICH, A P (eds.) 1981 Matematika XIX veka: Geometriya; teoriya analyticheskikh funktsii (Mathematics in the 19th century: Geometry; theory of analytic functions) Moscow: Nauk. 269 pp. Part I, written by V. L. LAPTEV and B. A. ROZENFELD, describes developments in geometry from about 1800 to the 1900s. The individual chapters are entitled ANALYTIC and DIFFERENTIAL GEOMETRY, PROJECTIVE GEOMETRY, ALGEBRAIC GEOMETRY and GEOMETRIC ALGEBRA, NON-EUCLIDEAN GEOMETRY, MULTI-DIMENSIONAL GEOMETRY, TOPOLOGY, GEOMETRICAL TRANSFORMATIONS. The second part, written by A. I. MARKUSHEVICH, consists of a single chapter. Starting with the development of the concept of COMPLEX NUMBERS and COMPLEX INTEGRATION, the author describes the major developments in function theory taking place in the 19th century. Among the subjects discussed are CAUCHY's INTEGRAL THEOREM, ELLIPTIC AND HYPERBOLIC FUNCTIONS, THETA FUNCTIONS, ABELIAN INTEGRALS, ALGEBRAIC FUNCTIONS, DIRICHLET's PRINCIPLE, PICARD's THEOREM, ABELIAN FUNCTIONS, AUTOMORPHIC FUNCTIONS, UNIFORMIZATION. (ERP) #1963

KREISER, L 1979 W. Wundts Auffassung der Mathematik.--Briefe von G. CANTOR und W. WUNDT. Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig Mathematisch-Naturwissenschaftliche Ges. Sprachwiss., Reihe 28, 197-206. Special issue devoted to Wilhelm Wundt. (ACL) #1964

KURATOWSKI, K 1980 Some remarks on the origins of the THEORY OF FUNCTIONS of a real variable and of the descriptive SET THEORY. Rocky Mountain Journal of Mathematics 10 25-33. (ACL) #1965

LAMB, HORACE 1980 A profile of HORACE LAMB. Compiled by R. Radok and S. Radok. Townsville: James Cook University of North Queensland. (Mathematics Department Report, 2). i + 102 pp. (1 plate) (ACL) #1966

LAMBERT, JOSEPH B, et al. 1980 MAYA ARITHMETIC. American Scientist 68, 249-255. (ACL) #1967

LEBEDEVA, I N 1980 Book MANUSCRIPTS in the natural sciences in the library of the Academy of Sciences of the USSR. [In Russian] Voprosy Istorii Estestvoznanija i Tehniki, No. 1, 114-117. (ACL) #1968

LEBIN, B D (ed.) 1980 Ocherkii istorii organizatsii nauki v Leningrade: 1703-1977 (The Organization of the Sciences in Leningrad.) Leningrad: Nauk. 313 pp. The first third of the book is devoted to scientific institutions, research, and education in prerevolutionary Russia; the remainder to the Soviet period. In the latter part of the book, the role of the state and party in directing scientific institutions is discussed. (ERP) #1969

LEWIN, C G 1981 Compound interest in the seventeenth century. Journal of the Institute of Actuaries 108, 423-442. Biography of RICHARD WITT, author of Arithmetical questions (1613). Discussion of works on COMPOUND INTEREST, LEASES, and ANNUITIES written in the 17th century by mathematicians and others. (C. G. Lewin) #1970

LEWIS, ALBERT C 1981 F. Schleiermacher's influence on H. GRASSMANN's mathematics. Pp. 246-254 in Social history of nineteenth century mathematics (q.v.). (ACL) #1971

MACKEY, G W 1979 Origins and early history of the theory of UNITARY GROUP REPRESENTATIONS. Pp. 5-19 in Representation theory of Lie groups (Proc. SRC/LMS Res. Sympos., Oxford, 1977). London Mathematical Society Lecture Note Series, 34. Cambridge: Univ. Press (ACL) #1972

MACLAURIN, COLIN 1982 The collected letters of Colin MacLaurin. Edited by Stella Mills. Nantwich, Cheshire: Shiva. xx + 496 pp. Illustrated. $35.00. ISBN 0-906812-08-9. (Distributed by Birkhäuser Boston Inc.) The completion of a project started by John C. Eaton, who died in 1972. The dated letters were written between 1716 and 1745. Transcriptions, with notes and translations (from the occasional French), are accompanied by a bibliography and detailed index. (ACL) #1973

MARCHIONNA TIBILETTI, CESARINA 1979 Brief history of "MATHESIS." [In Italian] Quad. Mathesis Cosenza 7, 21-27. (ACL) #1974

MAYER, JEAN 1982 Le théorème des quatre couleurs: Notice historique et apercu. Cahiers du Séminaire d'Histoire des Mathématiques 3, 43-62. History of the FOUR-COLOR PROBLEM. (ACL) #1975

MEHRTENS, HERBERT 1981 SOCIAL HISTORY of mathematics. Pp. 257-280 in Social history of nineteenth century mathematics (q.v.). An outline of "the status, aims, object, methods, and problems of the social history of mathematics." With a "select bibliography." (ACL) #1976

MISHRA, PRADEEP 1978 Life sketch of Professor RATAN SHANKER MISHRA. Progress of Mathematics (Allahabad) 12, Nos. 1-2, i-ii, i-viii, i-xiv. (ACL) #1977

MORAN, ROGER & ALBREE, JOE 1980 Construction of MAGIC SQUARES by an early Alabama mathematician. Alabama Journal of Mathematics 4, 22-30. FREDERICK A. P. BARNARD's 1888 treatise on magic squares is described, making use of D. N. Lehmer's modern recasting of his work. (ACL) #1978

MOSTOWSKI, ANDRZEJ 1979 Thoughts on the theme of a course in the history of mathematics. [In Polish] Wiadomości Matematyczne 22, 65-75. (ACL) #1979

MOSTOWSKI, ANDRZEJ 1979 An excerpt from notes to a course in the history of mathematics. [In Polish] Wiadomości Matematyczne 22, 76-77. (ACL) #1980

MOSTOWSKI, ANDRZEJ 1979 An excerpt from the book Mathematical logic. [In Polish] Wiadomości Matematyczne 22, 77-78. (ACL) #1981

NEUENSCHWANDER, E 1981 Studies in the history of COMPLEX FUNCTION THEORY. II. Interactions among the French school, Riemann, and Weierstrass. Bulletin of the American Mathematical Society N.S. 5, 87-105. "An extended version including all source material will appear in German, 'Ueber die Wechselwirkungen zwischen der französichen Schule, Riemann und Weierstrass. Eine Uebersicht mit zwei Quellenstudien,'" in Archive for History of Exact Sciences 24, 221-255. (ACL) #1982

NEYMAN, JERZY 1979 Origins of STATISTICAL MATHEMATICS. [In Polish] Wiadomości Matematyczne 22, 91-106. (ACL) #1983

NEYMAN, JERZY 1980 Some memorable incidents in PROBABILISTIC/STATISTICAL STUDIES. Pp. 1-32 in Asymptotic theory of statistical tests and estimation (Proc. Adv. Internat. Sympos., Univ. North Carolina, Chapel Hill, N.C., 1979). New York: Academic Press. (ACL) #1984

PEPE, L 1981 Il calcolo infinitesimale in Italia agli inizi del secolo XVIII. Bolletino di Storia delle Scienze Matematica 1, 43-101. The early part of the 18th century in Italy, following the achievements of the Galileian School, is a much neglected period in the history of mathematics. The author describes the diffusion of the ideas of the calculus (mainly of Leibniz), investigations of Italian mathematicians during this period (these include applications to astronomy and hydraulics), and the role of educational and academic institutions. BIBLIOGRAPHY. (ERP) #1985

PORTNOY, ESTHER 1982 RIEMANN's contribution to DIFFERENTIAL GEOMETRY. HM 9, 1-18. (ACL) #1986

PRZEWORSKA-ROLEWICZ, D 1979 LEON LICHTENSTEIN (1878-1933). [In Polish] Wiadomości Matematyczne 22, 107-113. On the occasion of the 100th anniversary of his birth. (ACL) #1987

PRZEWORSKA-ROLEWICZ, DANUTA 1980 LEON LICHTENSTEIN 1878-1933. Lichtenstein-Festkolloquium (Karl-Marx-Univ., Leipzig, 1978). Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig Mathematisch-Naturwissenschaftliche, Reihe 29, 15-26. (ACL) #1988

RAJAGOPALAN, K R 1980 Professor A. A. KRISHNASWAMI AYYANGAR (1892-1953) Ganita-Bhāraṇī. Bulletin of the Indian Society for History of Mathematics 2, 20-28. Includes a bibliography and an account of his mathematical work. (ACL) #1989

ROGERS, LEO 1981 A survey of factors affecting the TEACHING OF MATHEMATICS outside the universities in BRITAIN in the nineteenth century. Pp. 149-164 in Social history of nineteenth century mathematics (q.v.). "This brief summary suggests that the major influence as to content [of the mathematics curriculum] came from the developing needs of industry." (ACL) #1990

ROSS, BERTRAM 1980 The early development of the GAMMA FUNCTION. Ganita-Bhāraṭī. Bulletin of the Indian Society for History of Mathematics 2, 1-15. "One thesis ... is that the birth of the gamma function in 1729 was the result of the wedding of ... the theory of interpolation and calculus." (ACL) #1991

SANTALO, L A 1979 INTEGRAL GEOMETRY: History and perspectives. Pp. 1-48 in Proceedings of the IV International Colloquium on Differential Geometry (Univ. Santiago de Compostela, Santiago de Compostela, 1978). (Courses and Conferences, Univ. Santiago de Compostela, 15.) Santiago de Compostela: Univ. Santiago de Compostela. (ACL) #1992

SCHNEIDER, IVO 1981 Forms of professional activity in mathematics before the nineteenth century. Pp. 89-110 in Social history of nineteenth century mathematics (q.v.). Considers the period 1600-1800. PROFESSIONALIZATION. (ACL) #1993

SCHOTT, THOMAS 1979 Fundamental research in small countries. Mathematics in Denmark 1928-1977. (Various Publications Series, 32.) Aarhus: Aarhus Universitet, Matematisk Inst. ii + 130 pp. (ACL) #1994

SCHUBART, HANS 1980 Irrationalitaetskriterien nach GEORG CANTOR. Praxis der Mathematik 22, 146-151. (ACL) #1995

SCHUBRING, GERT 1981 The conception of pure mathematics as an instrument in the PROFESSIONALIZATION OF MATHEMATICS. Pp. 111-134 in Social history of nineteenth century mathematics (q.v.). The "paradox of the relationship between the dimension of development and application of science [described by J. D. Bernal] may serve to provide a better understanding of the problems of the professionalization of scientific activity in mathematics." (ACL) #1996

SCHUBRING, GERT 1981 Mathematics and TEACHER TRAINING: Plans for a polytechnic in Berlin. Historical Studies in the Physical Sciences 12, 161-194. "Aspects of the institutionalization of pure mathematics in PRUSSIA, particularly unrequited plans to create a polytechnical school in Berlin in the model provided by the Ecole Polytechnique in Paris." (ACL) #1997

SCRIBA, CHRISTOPH J Wie kommt "Napoleons Satz" zu seinem Namen? HM 8, 458-459. NAPOLEON'S PROBLEM. (ACL) #1998

SIMÉON-DENIS POISSON et la science de son temps. 1981 Palaiseau: Ecole Polytechnique. ix + 285 pp. Paperbound. Edited by M. Métivier, P. Costabel, and P. Dugac. A collection of essays on POISSON celebrating the two-hundredth anniversary of his birth. The authors and their topics are: David H. Arnold (mechanics) Pierre Costabel (general overview); Paul Brouzeng (capillarity); B. Bru (probability and public instruction); Louis L. Bucciarelli (elastic surfaces); André Chappert (Fresnel); E. Coumet (Poisson as a pupil); S. S. Demidov (Lie algebras); R. W. Home (science of electricity and magnetism); Robin E. Rider (algebra); O. B. Sheynin (statistics); and A. P. Youschkevitch (theory of integration). Bibliography of Poisson's works. (ACL) #1999

SOCIAL HISTORY OF NINETEENTH CENTURY MATHEMATICS 1981 Social history of nineteenth century mathematics. Edited by Herbert Mehrtens, Henk Bos, and Ivo Schneider. Boston/Basel/Stuttgart: Birkhaeuser. xii + 301 pp. Papers from a workshop, Technische Universitaet Berlin, July 5-8, 1979. Individual contributions are abstracted under the authors' names. In addition to the proceedings, there are a preface, a selected bibliography, and a list of addresses of the authors. (ACL) #2000

STRUIK, DIRK J 1981 Mathematics in the early part of the nineteenth century. Pp. 6-20 in Social history of nineteenth century mathematics (q.v.). A survey of the possibilities for making connections between mathematics and the political and cultural changes of the first half of the nineteenth century. (ACL) #2001

STRUIK, DIRK J 1982 Minoan and Mycenaean NUMERALS. HM 9, 54-58. (ACL) #2002

TAKEUTI, GAISI 1979 Work of KURT GÖDEL. Sugaku 31, 369-374. [In Japanese] (ACL) #2003

TONIETTI, TITO 1982 A research proposal to study the formalist and intuitionist mathematicians of the WEIMAR REPUBLIC. HM 9, 61-64. (ACL) #2004

TRUESDELL, C 1981 Cauchy's first attempt at molecular theory of elasticity. Bolletino di Storia delle Scienze Matematica 1, 133-143. Transcription of and commentary on preliminary sketch, prepared by CAUCHY in 1827, for his later articles on ELASTICITY. (ERP) #2005

VAGAGGINI, ROSSELLA 1982 A manuscript by TEOFILO GALLACCINI in the Siena Municipal Library. HM 9, 78-80. (ACL) #2006

VAN DER WAERDEN, B L 1979/1980 The (2:*n*) table in the RHIND PAPYRUS. Centaurus 23, 259-274. (ACL) #2007

VIOLA, T 1981 Sull'elenco di terne pitagoriche ("Plimpton 322") e su un suo uso nella matematica vetero-babilonese. Bolletino di Storia delle Scienze Matematica 1, 103-132. A discussion of the list of PYTHAGOREAN TRIPLES found on PLIMPTON 322 and its possible use in Babylonian mathematical computations. (ERP) #2008